SILICON
CONSULTING ENGINEERS

NO.SC/QC/YRI/2020-21/W7-MM2

Date: 29-03-2022

To,
The Executive Engineer,
RI Yelahanka Division
Bangalore.

"PMC CERTIFICATE AND INSPECTION REPORT"

Dear Sir,

Subject: Regarding Inspection Report for the below mentioned work.

Name of Work: Repair and Improvements to drains Mandi Mariyappa Reddy main road in Mariyannapalya in ward No 07 Byatarayanapura

Item No	Description of work	Unit	Qty	Remarks
1	Removing and refixing stone slabs of drains and pointing in CM (1:3) including all lead and lead including loading and unloading and specifications as per the direction of engineer in charge	Sqm	113.40	Work done upto the Billed Quantity and the Quality is Satisfactory
2	KSRRB 300-1. Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods	Cum	60.54	Work done upto the Billed Quantity and the Quality is Satisfactory
3	KSRRB M300-14. Excavation for roadwork in all types of soil by mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections,	Cum	2033.35	Work done upto the Billed Quantity and the Quality is Satisfactory
4	KSRRB M2100-10. Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation	Cum	44.57	Work done upto the Billed Quantity and the Quality is Satisfactory
5	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. with 20mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregates at 0.43 cum	Cum	70.26	Work done upto the Billed Quantity and the Quality is Satisfactory
6	KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the	Tn	3.28	Work done upto the Billed Quantity and the Quality is Satisfactory
9	Providing and fixing RCC Precast cover slab of 250mm thick for drain in cement concrete M20 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete	Sqm	35.07	Work done upto the Billed Quantity and the Quality is Satisfactory
10	Providing and laying 100mm thick pre-cast cover slabs over drains of width not exceeding 800 mm using M20 concrete reinforced with steel @ 6.00 kg/Sqm, slabs jointed in CM 1:3 proportion and nicely finished including	m	72.60	Work done upto the Billed Quantity and the Quality is Satisfactory
11	KSRB 14.6 : Providing and laying heavy duty cobble stones interlock pavers, 60mm thick using cement and course sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of	Sqm	870.82	Work done upto the Billed Quantity and the Quality is Satisfactory
12	Providing and fixing pre cast solid cement concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing	Nos	1637.00	Work done upto the Billed Quantity and the Quality is Satisfactory
13	KSRRB 800-1. Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications including all lead and lead	Sqm	413.40	Work done upto the Billed Quantity and the Quality is Satisfactory

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Sub No	Description of work	Unit	Qty	Remarks
16	Construction of granular sub-base (crushed [illegible] to sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/trap/basalt materials, mixing by mix in place method by adopting at OMC, spreading in	Cum	838.88	Work done upto the Billed Quantity and the Quality is Satisfactory
17	SCHH MM20-17 Providing, laying, spreading and compacting crushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre-mixing the material with water at OMC in mechanical mix plant	Cum	1473.41	Work done upto the Billed Quantity and the Quality is Satisfactory
18	SCHH M 506.6 Providing and applying primer coat with SS bitumen emulsion on prepared surface of granular base such as WBM/ WMM including cleaning of road surface and spraying primer at the rate of 0.60	Sqm	8349.30	Work done upto the Billed Quantity and the Quality is Satisfactory
19	SCHH 520.2 Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM	Sqm	5947.20	Work done upto the Billed Quantity and the Quality is Satisfactory
20	SCHH 520.7 Providing and applying tack coat using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road	Sqm	8349.30	Work done upto the Billed Quantity and the Quality is Satisfactory
21	SCHH MM20-17 Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the	Cum	417.46	Work done upto the Billed Quantity and the Quality is Satisfactory
22	Providing and laying bituminous concrete 40mm thick with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver	Cum	333.97	Work done upto the Billed Quantity and the Quality is Satisfactory
23	KSHRB MB00-13 Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface/ Concrete Surface: Providing and laying of hot applied thermoplastic compound 2.5 mm thick	Sqm	201.43	Work done upto the Billed Quantity and the Quality is Satisfactory
27	KSHRB MB00-35. Supply and Installtion of Moulded Shank Raised Pavement Markers made of polycarbonate and ABS(Acrylonitrile Butadiene Styrene) moulded body and reflective panels with micro prismatic lens capable of	Nos	300.00	Work done upto the Billed Quantity and the Quality is Satisfactory

With respect to the above subject & name of the work, we have inspected the work and the Quantity and Quality of above mentioned items of the work was found to be completed satisfactorily for the 2nd and Final bill

Thanking you.

With Regards,

For Silicon Consulting Engineers

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NO.SC/QC/YRI/2020-21/W7-MM2

Date: 29-03-2022

To,
The Executive Engineer,
RI,Yelahanka Division,
Bangalore.

"FREQUENCY AND QUALITY REPORT"

Dear Sir,

Subject: Regarding Quality Report for the below mentioned work.

Name of Work: Repair and Improvements to drains Mandi Mariyappa Reddy main road in Mariyannapalya in ward No 07 Byatarayanapura

Item No	Description of work	Unit	Qty	No of Samples Tested	Standards
1	KSRRB M2100-10. Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size	Cum	44.57	1	Per 100 cum
2	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. with	Cum	70.26	4	Per 50 cum
3	KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking,	Tn	3.28	1	Per each dia
4	KSRB 14.6 : Providing and laying heavy duty cobble stones interlock pavers, 60mm thick using cement and course sand for	Sqm	870.82	2	Per 500 Sqm
5	Providing and fixing pre cast solid cement concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165 mm	Nos	1637.00	4	Per 500 Nos
6	Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of	Cum	938.66	3	Per 400 cum
7	KSRRB M400-17. Providing, laying, spreading and compacting cushed stone aggregates of granite / trap / basalt to wet mix macadam	Cum	1472.41	8	Per 200 cum
8	KSRRB M500-17. Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed	Cum	417.46	5	Per 100 cum

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Item No	Description of work	Unit	Qty	No of Samples Tested	Standards
9	Providing and laying bituminous concrete 40mm thick with hot mix plant, using crushed aggregates of specified grading,	Cum	333.97	4	Per 100 cum

With respect to the above subject & name of the work, we have tested the materials and the Quantity of above mentioned items of the work was found to be completed satisfactorily for the 2nd and Final bill

Thanking you,

With Regards,

For Silicon Consulting Engineers

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